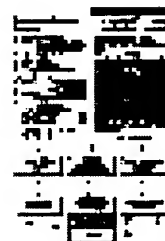


JP8015211A2: BIOSENSOR FOR MEASURING TOTAL VITAMIN B6

Country:	JP Japan
Kind:	A
Inventor:	ENDO HIDEAKI; HOSHI MASAKAZU; HAYASHI AKIHITO; WATANABE ETSUO;
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Published / Filed:	Jan. 19, 1996 / June 28, 1994
Application Number:	JP1994000146836
IPC Code:	G01N 27/327; C12Q 1/00; G01N 33/82; C12Q 1/00;
Priority Number:	June 28, 1994 JP1994000146836
Abstract:	<p>PURPOSE: To measure the total vitamin B6 quantity in a sample quickly and simply by detecting a difference (current decrease value) between steady state current values obtained by dipping a microbial electrode in a buffer solution vessel and in a sample liquid vessel.</p> <p>CONSTITUTION: When a microbial electrode 2 formed by an oxygen electrode and a yeast Saccharomyces- ATCC9080 immobilized film is dipped in a buffer solution in a buffer solution vessel 3, after a while, a steady state current value A is obtained. Subsequently, when the electrode 2 is dipped in a sample liquid containing a base medium for vitamin B6 determination in a sample liquid vessel 4, though the current value is decreased, after a while, a steady state current value B6 is obtained. A difference between the measured current values A, B, that is, a current decrease value (sensor output) has a correlation to the vitamin B6 quantity (density) in the sample liquid, so that if a current decrease value in the sample liquid containing vitamin B6 of a known density is previously measured to create a working curve, the total vitamin B6 quantity in a sample liquid of an unknown density can be measured.</p> <p>COPYRIGHT: (C)1996,JPO</p>
Family:	None



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References:

PDF	Patent	Pub.Date	Inventor	Assignee	Title
<input type="checkbox"/>	US6379914	2002-04-30	Pasco; Neil	Lincoln Ventors Limited	Method and apparatus for measuring use of a substrate in a microbially catalyzed reaction

☐ Other
Abstract Info:

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119691 DERC96-119691